

ABSTRACT OF THE DISCLOSURE

A device is disclosed for separating the epithelial layer of a cornea from the eye. The device includes a separator having an edge to remove the epithelial layer as the separator moves across the eye. The edge includes a thickness thicker than the thickness of at least one epithelial cell and less thick than the thickness of the epithelial layer. Separation can be performed mechanically, without the use of chemicals, so that the shape and integrity of the separated epithelial layer is preserved. The device can also be used with a polymer film that adheres to the epithelial layer to help preserve an integrity of the epithelial layer.

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